

ABSTRACT

A process for the preparation of a synthetic tanning agent is disclosed whereby multi functional polymer is polymerized with sulfonated aromatic compound, pretreated with organic ligand to form an organo-polymeric matrix, which is essentially formaldehyde-free. The product has potential application in leather industry as an eco-friendly approach to chrome tanning by eliminating the conventional pickling process and the related problem of total dissolved solids (TDS) associated with the effluent. The present invention also provides for an exhaust aid for chrome due to its multiple carboxyl groups.